



1.1. Product: VPI Smart Step Vinyl Stair Treads

1.2. Supplier:

VPI Corporation
3123 South 9th Street, Sheboygan, Wisconsin. Tel: (800) 874-4240
Web: <http://www.vpicorp.com>

1.3. Product Description:

VPI Smart Step Vinyl Stair Treads are a line of stair treads that are available with a standard square nose or a round (bull) nose. The Smart Step Stair Treads are developed as a coordinated stairwell management system consisting of wall base, landing tile and stair treads in matching colors. Smart Stair Treads are offered in 5 standard colors with matching landing tile, wall base & other accessories.

1.3.1. Construction:

VPI Smart Step Vinyl Stair Treads are manufactured from a homogeneous composition of vinyl, high quality additives, and colorants to meet the performance requirements of ASTM F 2169 Standard Specification for Resilient Stair Treads, Type TV Vinyl, Class 2, Grade 1.

1.3.2. Super Duty Integrated Riser Tread System:

1. VRST-XX-XX– Standard Square Nose Stair Tread, 12.5" (31.4 cm) overall depth, 2" (5.08 cm) square nose configuration, .200" (5.08 mm) to .125" (3.17mm) tapered wall. See drawing VinylSq12.

2. VRRT-XX-XX– Round Nose Stair Tread, 12.5" (31.4 cm) overall depth, 1.8" (4.57 cm) round nose configuration, .190" (4.83 mm) to .125"(3.17mm) tapered wall. See drawing VinylRd12.



2. PRODUCT PERFORMANCE AND TECHNICAL DATA:

- 2.01. ASTM F2169 Standard Specification for Resilient Stair Treads. Meets All Requirements: Type TV, Class 2, Grade 1
- 2.02. ASTM D2240 Shore A Hardness – 95 Shore A
- 2.03. ASTM F1514 Heat Stability Color Change - $\Delta E^* < 5.0$
- 2.04. ASTM F1515 Light Stability Color Change – $\Delta E^* < 4.3$
- 2.05. ASTM E648 Flammability – 0.83/Class 1
- 2.06. ASTM E662 Smoke – 328 (Flaming), 137 (Non-Flaming)
- 2.07. ASTM D2047 Static Coefficient of Friction – Leather 0.58
- 2.08. ANSI B101.1 Static Coefficient of Friction – 0.57
- 2.09 California Title 24 compliant to CA code 11B-504.4.1
- 2.10. ASTM F925 Chemical Resistance – Very Good – No More Than Slight Changes
- 2.11. Gauge – 0.125”
- 2.12. Sizes – 48”, 72”; other lengths available with minimum order quantity
- 2.13. Depth – 12.5”
- 2.14. Floorscore certified to SCS-EC10.3-2014 v4.0, registration # SCS-FS-05283
- 2.15. Nosing Depth – 2.0” (Square) or 1.8” (Round)
- 2.16. Nosing Radius – 0.25”



3. ADHESIVES:

3.1. VPI 503 Acrylic Adhesive

VPI 503 is a solvent free, one part acrylic wet set adhesive approved for all types of sub-floors on or above grade. The adhesive is good for porous and non-porous areas.

Substrate requirements are MVER<6lbs, RH ≤85%, pH of 7 – 11.

Trowel type: 1/16” x 1/16” Square Notched Trowel.

Coverage: 125 – 150 feet of Square or Round nose treads per gallon, depending on porosity of substrate, application style and environment. In applications demonstrating spread rates that are less than 90 ft², additional adhesive should be purchased as required. **See label for detailed application instructions.**

3.2. VPI NC-2 Nose Caulk

VPI NC-2 is a solvent-free, two-component Epoxy Nose-Caulking Compound designed for use with vinyl & rubber stair treads. It's a non-flammable, high-performance epoxy adhesive, recommended for indoor stair installations over porous and non-porous substrates. It is recommended for nosing, providing support to the nose of the square vinyl stair treads. Stairs (substrate) must be structurally sound, dry, clean and free of dirt, dust, grease, paint, curing compounds, sealers, or any other extraneous material which may interfere or compromise adhesion. Application over concrete stairs requires the concrete to be fully cured and dry. Adequate adhesive must be applied to the corner of the stair tread nose so that when placed into position all voids are filled. **See Nose-Caulk label for detailed application instructions.**

4. ENVIRONMENTAL STANDARDS

4.1 Contributes towards LEED Credit V4 option 2 Low emitting materials, indoor environmental quality, FloorScore Certification, CHPS 2.2.3; Flooring Systems

4.2. CALGreen, CA Code of Regulations title 24, Part II,2010, Sections 4.504.4/5.504.4.6: Resilient Flooring Systems

4.3. ANSI/ASHRAE/USGBC/IES Standard 189.1-2009,Section 8.4.2.3: Floor Covering Materials

4.4. Collaborative for High Performance Schools(CHPS) rating system, 2009 Criteria EQ2.2.3: Flooring Systems

4.5. Green Guide for Healthcare, V2.2, 2007, EQ Credit 4.3: LEM-Flooring Systems

5. INSTALLATION: See installation sheets for detailed instructions.

The areas to receive stair treads should be clean and maintained at a uniform temperature between 65°F and 85°F° before, during, and after installation is complete. The stair treads and adhesives need to be conditioned in the same manner, by acclimating them in the same space for a period of 48 hours prior to installation. Boxes need to be kept out of direct sunlight or close proximity to air conditioning units.

Sub-floor preparation needs to follow detailed instructions on instruction sheet. Use the instruction details regarding a butt joint or lap joint under the nose. Note specific instructions with regards to porous and nonporous subfloors and when to lay treads after applying the adhesive.

6. MAINTENANCE:

Stair treads should be maintained by hand, with maintenance procedures not to begin until 2 days after installation. Follow maintenance instructions as detailed in the installation instruction manual.

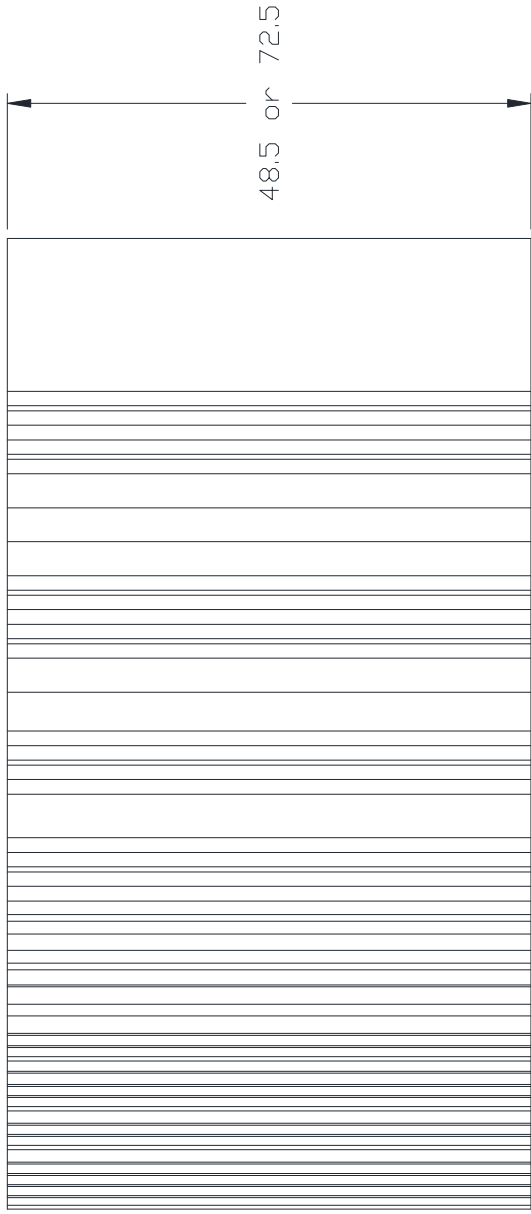
7. AVAILABILITY AND COST

Available from VPI and VPI Distributors Nationwide.

Available in Jet, Pewter, Café Au Lait, Burnt Umber, and Charcoal colors.

8. WARRANTY

Limited 6-year warranty against defects in manufacturing and workmanship. For complete details, contact VPI Corporation.



12.5

48.5 or 72.5

Smart Step Stair Tread
12" Vinyl Square Nose



3123 S. 9th St.
Sheboygan, WI 53081

TITLE Vinyl Stair Tread - Square 12"

DRAWN BY DWT SCALE 2:1 DRAWING NO. SIZE

DATE 9/18/19 APPT'D BY VinylSq12

NOTE: STANDARD TOLERANCES
APPLY TO ALL DIMENSIONS



Smart Step Stair Tread
12" Vinyl Round Nose



3123 S. 9th St.
Sheboygan, WI 53081

TITLE Vinyl Stair Tread - Round 12"		DRAWING NO. 2:1	SIZE
DRAWN BY DWT	SCALE 2:1	APPD BY viny(Rol12	
DATE 9/18/19			

NOTE: STANDARD TOLERANCES
APPLY TO ALL DIMENSIONS